



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

ENGINEERING CHANGE NOTICE NO.

05856

SHEET 1 OF 2

DWG NO. 649.4700

REV: E

PREPARED BY J. BECKER

DATE: 09/06/17

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: A119 CABLE CUTTERS KIT

APPROVED BY: ENGR *[Signature]*

MFG *[Signature]*

QC *[Signature]*

EFF. NEXT ORDER

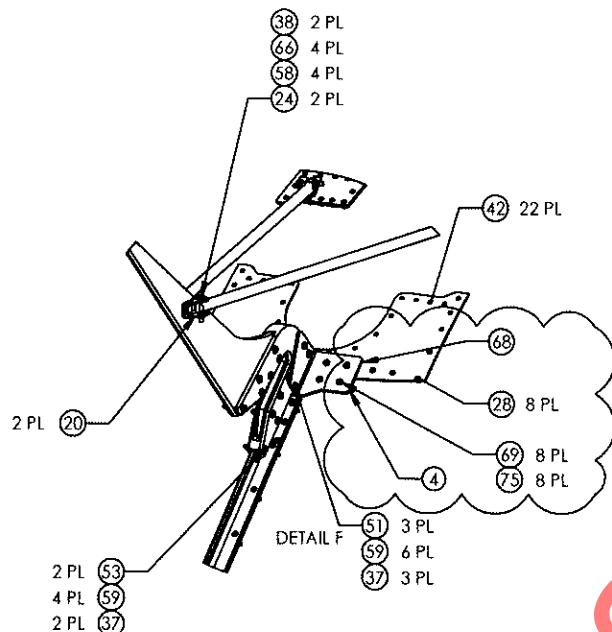
TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

REASON: REVISED P/N'S.

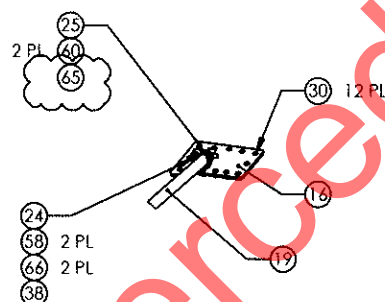
ECR:
N/A

ACTION ITEM:
1. SEND UPDATED
DRAWINGS TO
HAWKESBURY

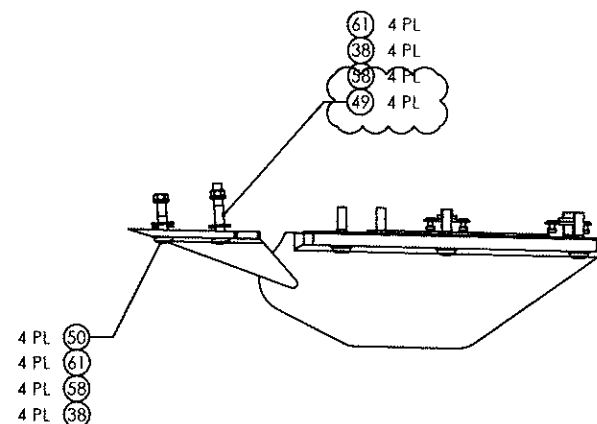
SHEET 2 ZONE C7 IS:



SHEET 2 ZONE A1 IS:



SHEET 5 ZONE C7 IS:



76	R	600.0846	4		RIVET	MS20426AD4-4	
72	R	601.1710	32		NUTPLATE RIVET	MS20426AD3-4	
69	R	601.2988	12		SCREW	MS27039-0813	
68	R	649.4820	1		SHIM		
65	R	601.1887	3		NUT	MS21042-4	
53	R	601.2765	26		SCREW	MS27039-0819	
48	R	601.3252	2		SCREW	MS2469S58	
41	R	601.1616	6		RIVET	MS20426AD3-5	
40	R	601.1900	3		NUTPLATE	MS21059-3	
38	R	601.1624	22		LOCKNUT	MS21042L3	
F/N	TC	PART NUMBER	4701		DESCRIPTION	MATERIAL	SPECIFICATION
			QTY				

DOCUMENTS EFFECTED:

☐ PATTERN ☐ MDL ☒ INSTALL INSTRUCTIONS ☒ ICA ☐ FMS ☒ BOM

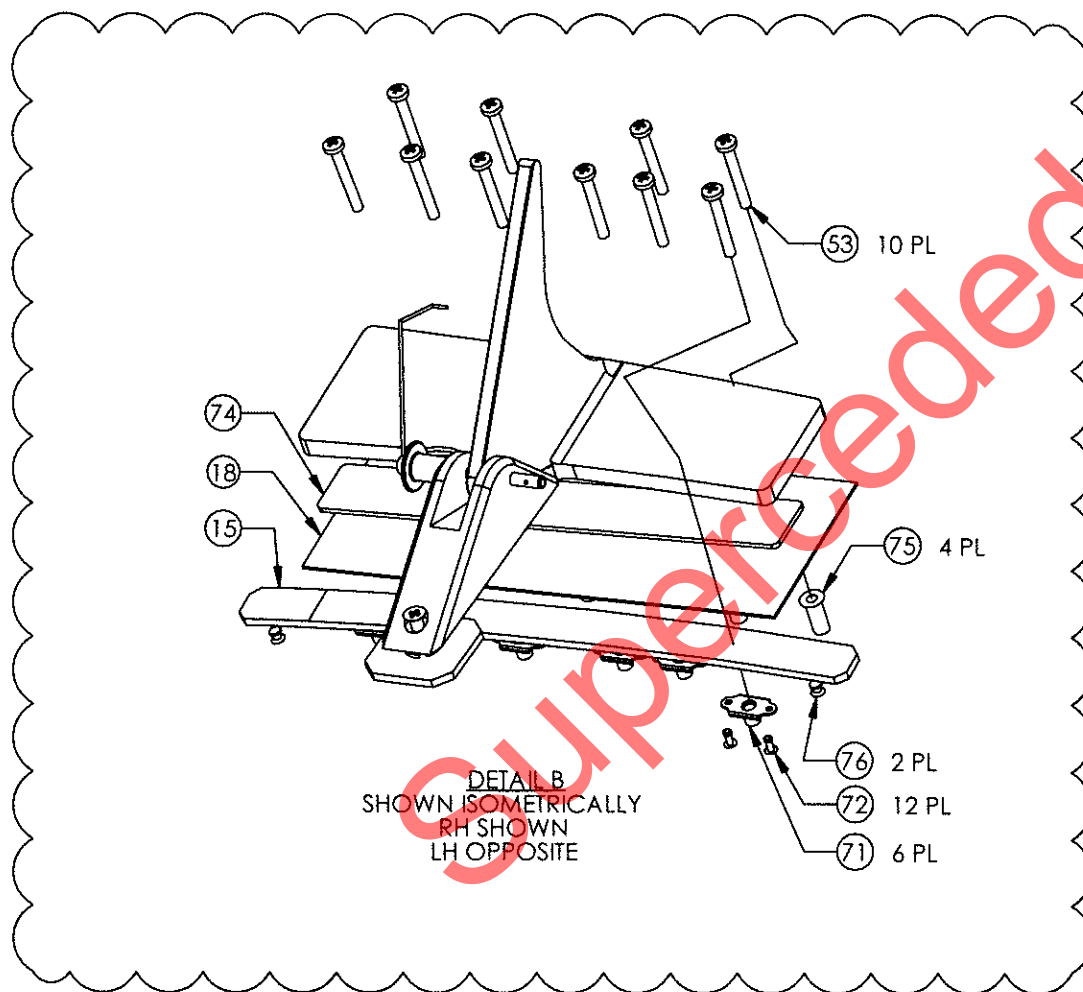
CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

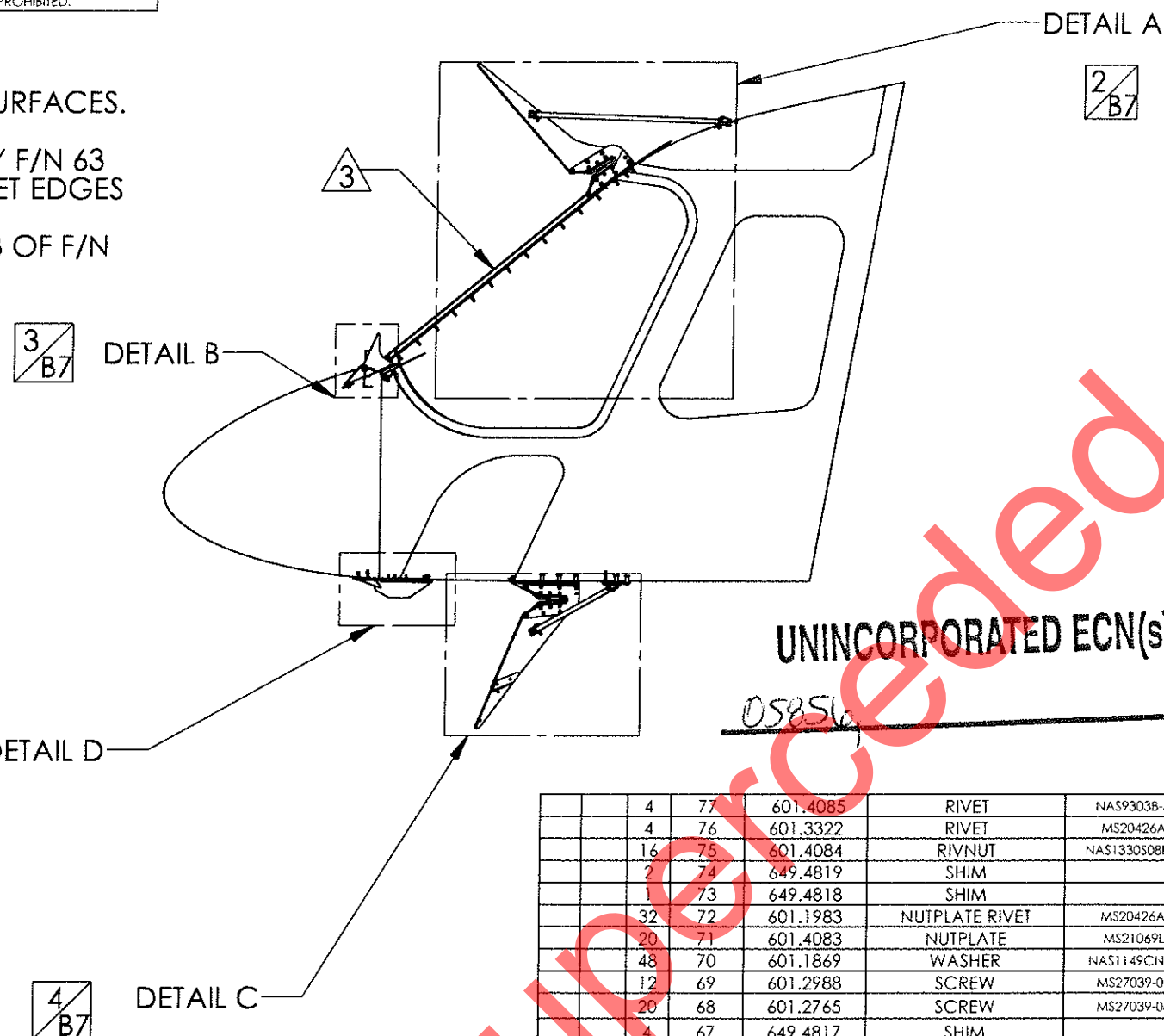
☐ YES ☒ NO

SHEET 3, ZONE B8 IS:



NOTES:


- 1 APPLY F/N 62 TO FAYING SURFACES.
- 2 AFTER INSTALLATION, APPLY F/N 63 A/R TO FILL GAPS AND FILLET EDGES
- 3 MATCH DRILL HOLE ON TAB OF F/N 13 TO FIT RIVET F/N 45
- 4 REQUIRED QTY
F/N 12: 1
F/N 15: 2
F/N 17: 1
INSTALL EXTRA AS NEEDED
- 5 INSTALL ONLY IF REQUIRED



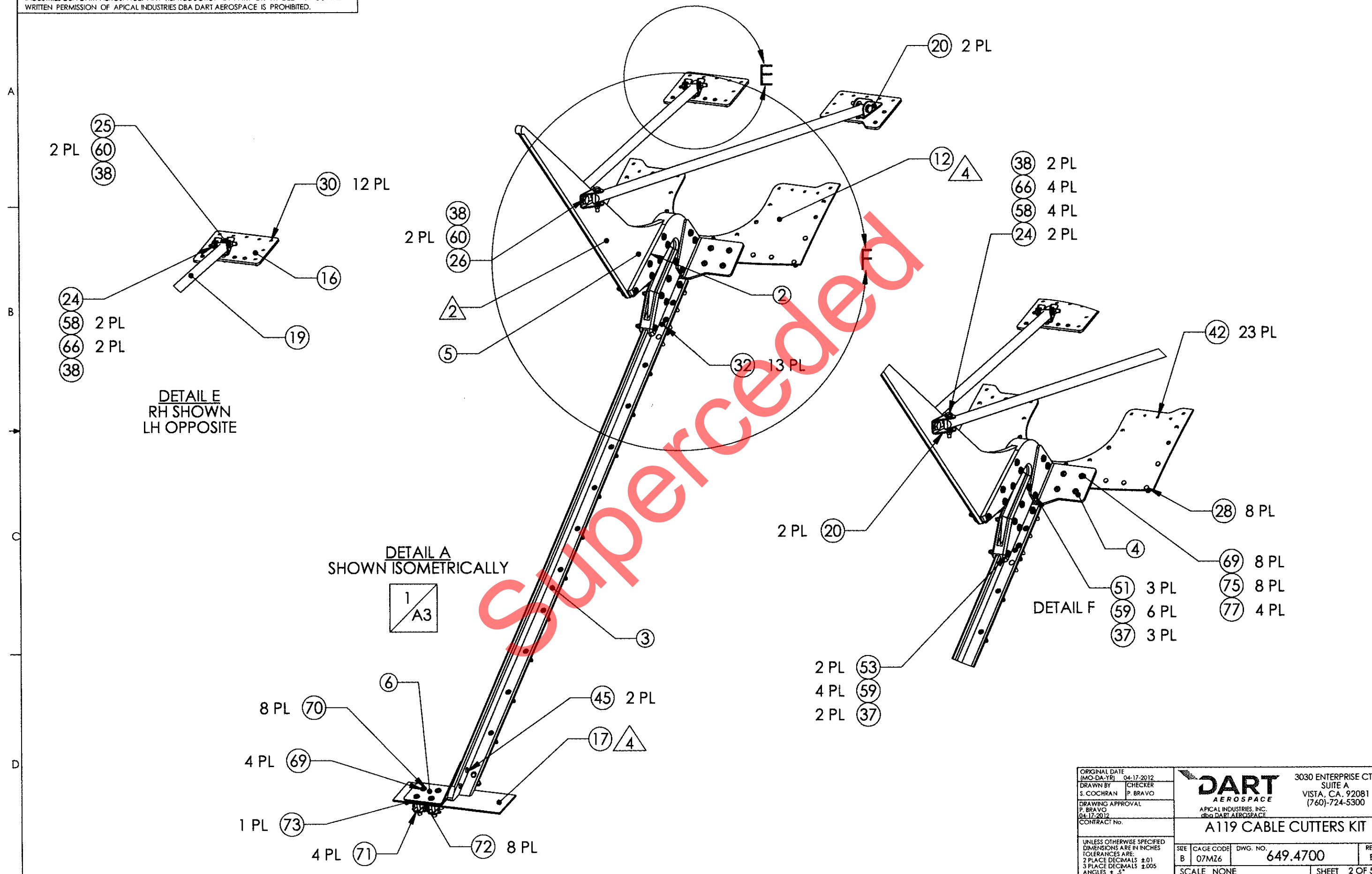
		4	77	601.4085	RIVET	NAS9303B-5-03	
		4	76	601.3322	RIVET	MS20426AD4	
		16	75	601.4084	RIVNUT	NAS1330S08KB106	
		2	74	649.4819	SHIM		
		1	73	649.4818	SHIM		
		32	72	601.1983	NUTPLATE RIVET	MS20426AD3	
		20	71	601.4083	NUTPLATE	MS21069L08	
		48	70	601.1869	WASHER	NAS1149CIN832R	
		12	69	601.2988	SCREW	MS27039-0813	
		20	68	601.2765	SCREW	MS27039-0819	
		4	67	649.4817	SHIM		△
		16	66	601.3151	WASHER	NAS1149F0363P	
			65		DELETED		
			64		DELETED		
		1	63	600.1012	SEALANT	PR-1425 CLAS B	
		1	62	601.2045	RTV	LOCTITE 598	△
		8	61	601.2381	WASHER	NA5620C-10L	
		8	60	601.2638	WASHER	NAS1149F0432P	
		18	59	601.2764	WASHER	NAS1149FN832P	
		53	58	601.1607	WASHER	NAS1149F0332P	
		2	57	601.3470	WASHER	AN970-3	
		6	56	601.1365	SCREW	MS27039-1-10	
		4	55	601.1621	SCREW	MS27039-1-08	
		2	54	601.3289	SCREW	MS27039-1-25	
		6	53	601.2765	SCREW	MS27039-0819	
		13	52	601.3190	SCREW	MS27039-1-13	
		3	51	601.3124	SCREW	MS27039-0824	
		4	50	601.1622	SCREW	MS27039-1-14	
		4	49	601.2910	SCREW	MS27039-1-18	
		1	48	601.3252	SCREW	MS2469S58	
			47		DELETED		
		2	46	601.3146	SCREW	MS24694C57	
		4701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR2		
N/C	INITIAL RELEASE	01-26-12	P. BRAVO
A	INCORPORATED ECN 03444, 03489	04-17-12	P. BRAVO
B	INCORPORATED ECN 03527	05-29-12	P. BRAVO
C	INCORPORATED ECN 03732, 03885, 04486, 05503	07-28-16	P. BRAVO
D	INCORPORATED ECN 05731	04-04-17	P. BRAVO
E	INCORPORATED ECN 05618	08-02-17	P. BRAVO

		2	45	601.1125	RIVET	MS20470AD5-11	
			45		DELETED		
			43		DELETED		
		23	42	601.1773	RIVET	MS20470AD4-3	
		12	41	601.1616	RIVET	MS20426AD3-5	
		6	40	601.1900	NUTPLATE	MS21059-3	
		1	39	601.3209	LOCKNUT	MS21042L4	
		25	38	601.1624	LOCKNUT	MS21042L3	
		9	37	601.1541	LOCKNUT	MS21042L08	
		2	36	601.3008	INSERT	NAS1834C-300	
		2	35	601.3468	INSERT	NAS1832-4-7	
		8	34	601.3459	INSERT	NAS1832-3-7	
			33		DELETED		
		13	32	601.4061	SCREW	91420A230	DIN965
			31		DELETED		
		24	30	601.1183	CHERRY RIVET	CR3213-4-05	
			29		DELETED		
		8	28	601.2020	CHERRY RIVET	CR3213-5-03	
			27		DELETED	NAS1097AD-4-3	
		2	26	601.2669	BOLT	AN4C7A	
		4	25	601.3555	BOLT	AN4C5A	
		8	24	601.0788	BOLT	AN3C12A	
		1	23	649.5112	WIPER DEFLECTOR		
		1	22	649.5111	WIPER DEFLECTOR		
		2	21	649.5110	WIPER DEFLECTOR		
		8	20	647.9014	STRUT BRACKET		
		4	19	646.9910	STRUT		
		3	18	649.4815	SHIM		
		3	17	649.4812	SHIM		△
		2	16	649.5213	DOUBLER		
		4	15	649.4813	SHIM		△
		1	14	649.5211	SHIM		
		2	13	601.3493	QUICK RELEASE PIN		△
		3	12	649.4816	DOUBLER		△
		2	11	649.4814	DOUBLER		
		2	10	649.5210	DOUBLER		
		1	9	649.5011	DEFLECTOR		
		2	8	649.5013	DEFLECTOR		
		2	7	649.5012	DEFLECTOR		
		1	6	649.4811	CLIP		
		1	5	649.5212	BRACKET		
		1	4	649.5214	BRACKET		
		1	3	649.5010	DEFLECTOR		
		1	2	649.4901	UPPER CUTTER ASSY		
		1	1	649.4902	LOWER CUTTER ASSY		
		⊗		649.4701	ATT9 CABLE CUTTERS KIT		
		4701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

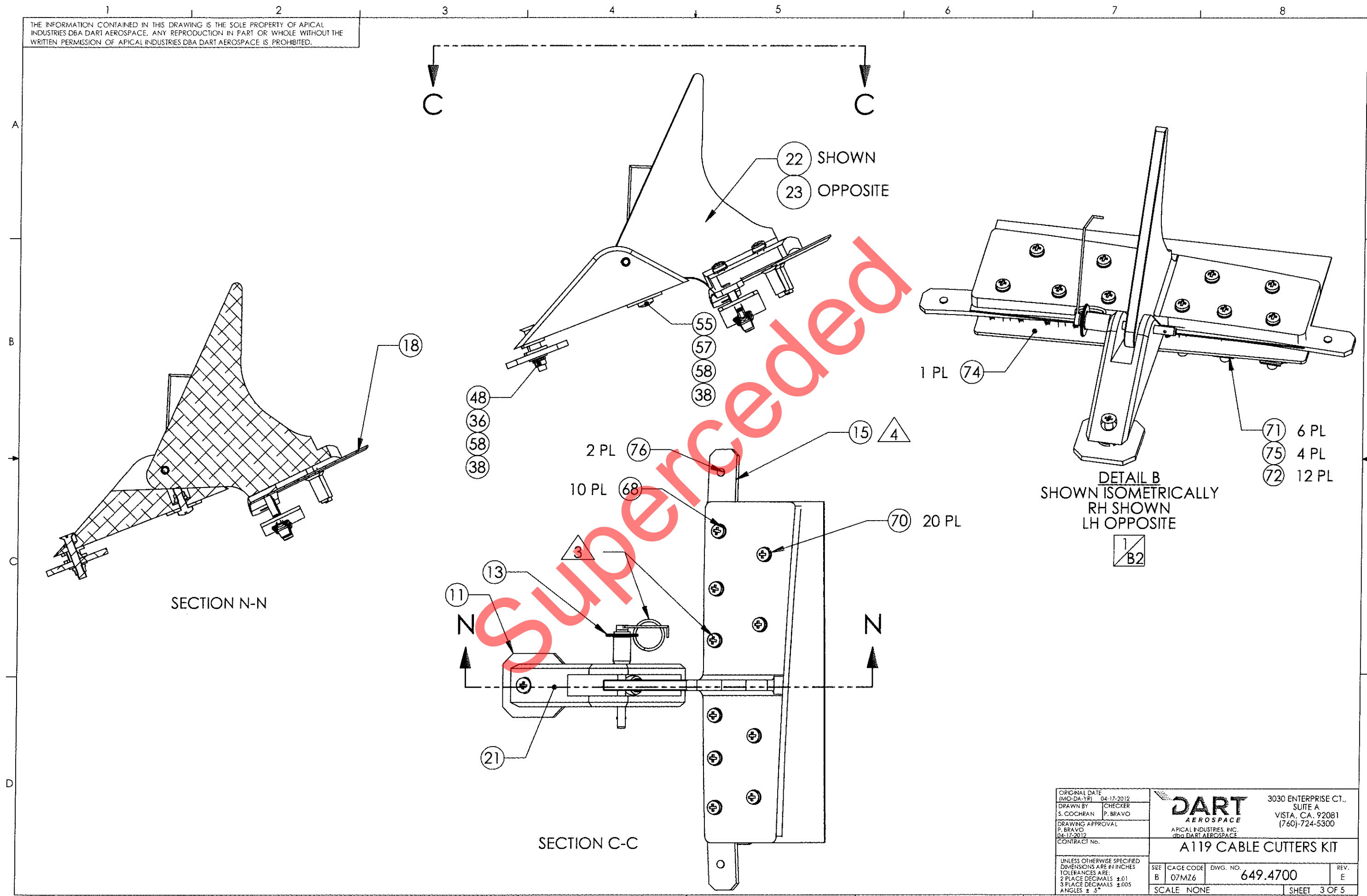
QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 04-17-2012 DRAWN BY S. COCHRAN CHECKER P. BRAVO DRAWING APPROVAL P. BRAVO 04-17-2012 CONTRACT No.	 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE
		A119 CABLE CUTTERS KIT	
		SIZE B CAGE CODE 07M26 DWG. NO. 649.4700	REV. E
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SCALE NONE	
		SHEET 1 OF 5	

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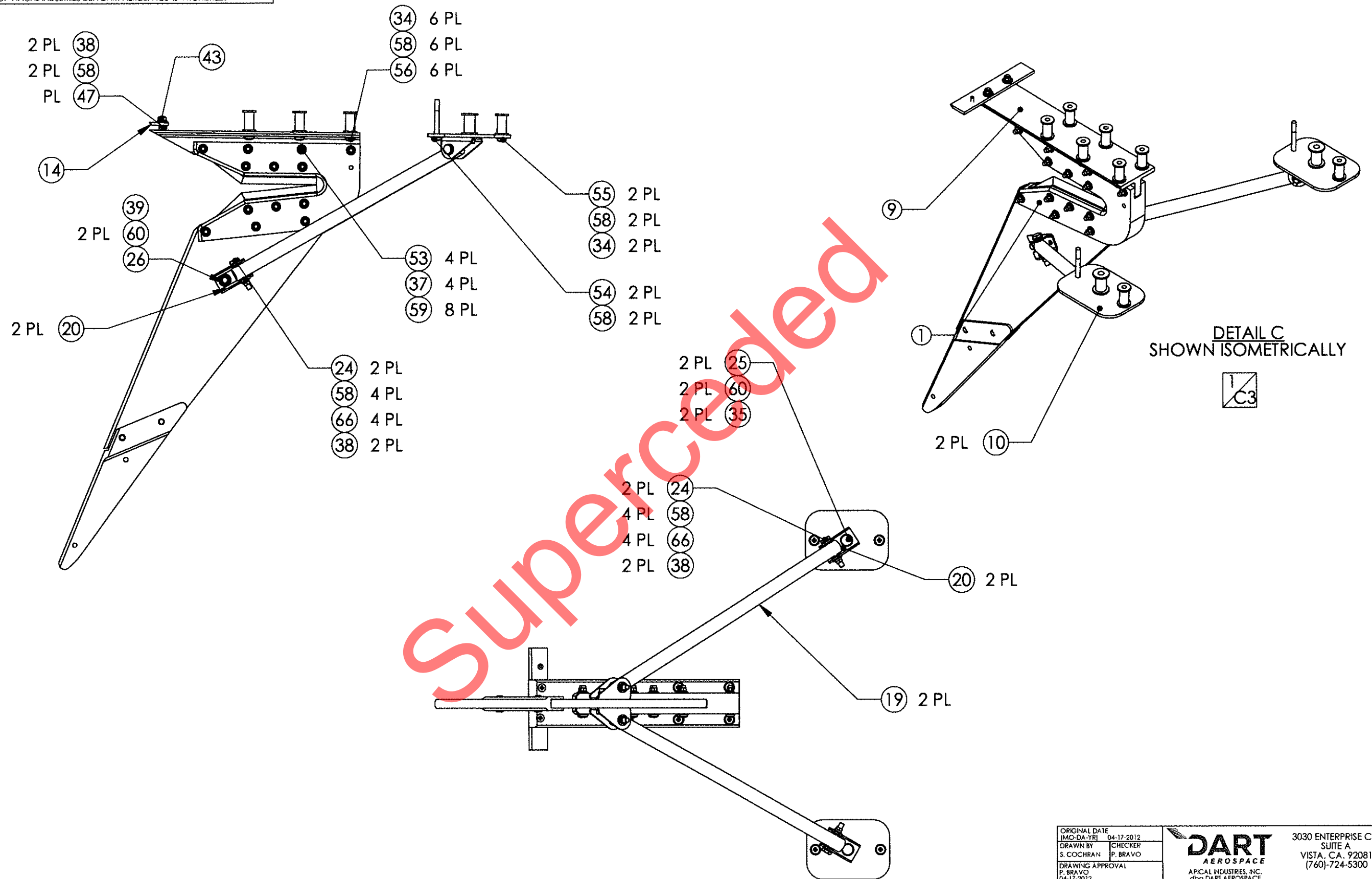
ORIGINAL DATE (MO-DA-YR) 04-17-2012		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY S. COCHRAN	CHECKER P. BRAVO	<div> <div>DART</div> <div>AEROSPACE</div> <div>APICAL INDUSTRIES, INC.</div> <div>dba DART AEROSPACE</div> </div>	
DRAWING APPROVAL P. BRAVO 04-17-2012	CONTRACT No.		
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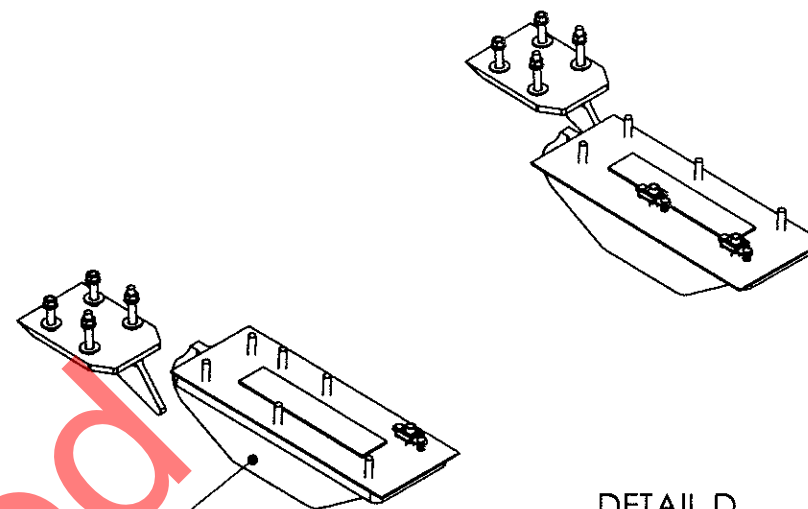
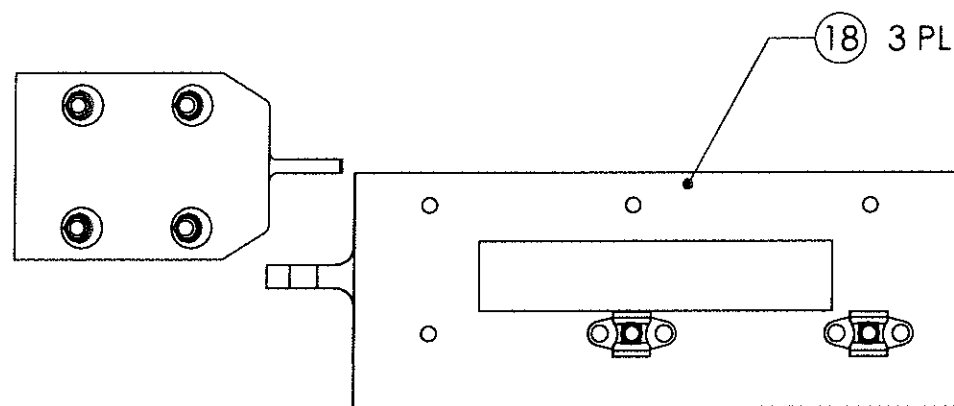
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		DWG. NO. 649.4700	REV. E
		SCALE NONE	SHEET 3 OF 5

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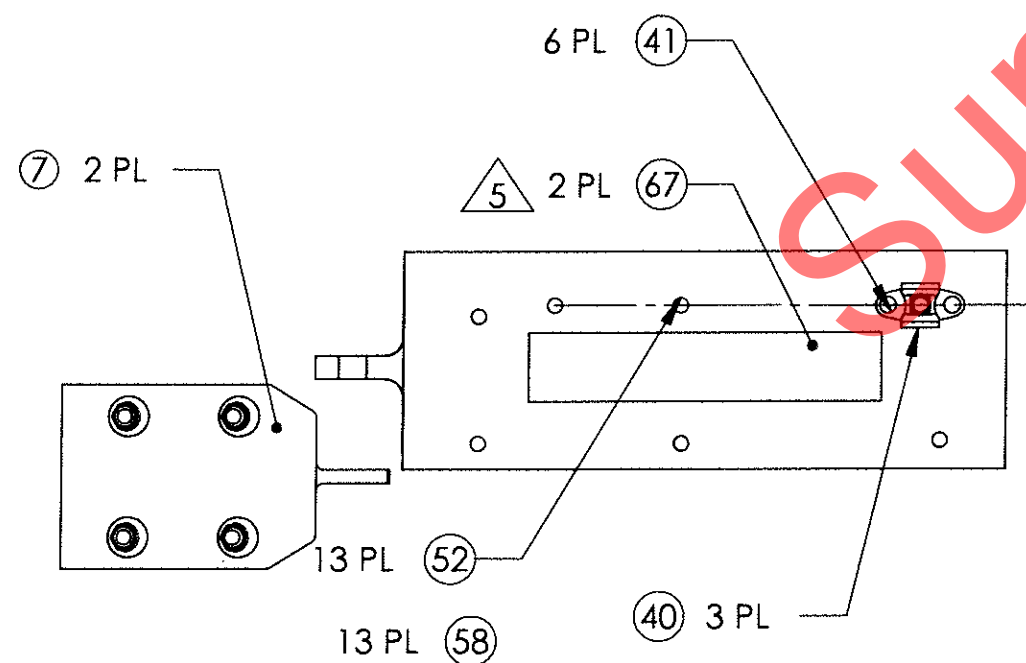


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		DWG. NO. 649.4700		REV. E	
		SCALE NONE		SHEET 4 OF 5	

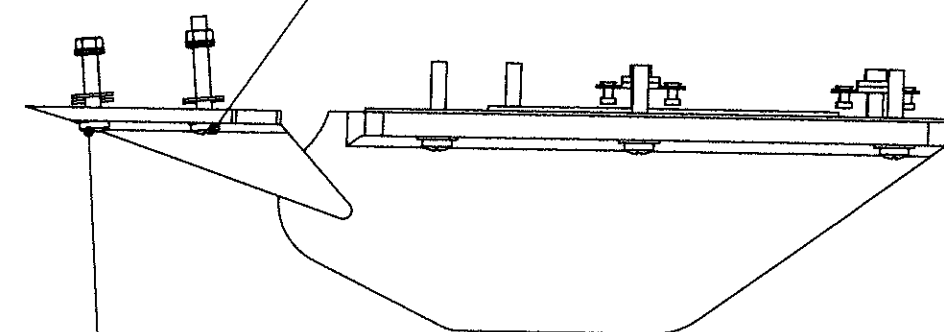
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DETAIL D
SHOWN ISOMETRICALLY



- 50 4 PL
- 61 4 PL
- 58 4 PL
- 38 4 PL



ORIGINAL DATE (MO-DA-YR) 04-17-2012		DRAWN BY S. COCHRAN		CHECKER P. BRAVO		DRAWING APPROVAL P. BRAVO		CONTRACT NO.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	
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DWG. NO. 649.4700		REV. E		SCALE NONE		SHEET 5 OF 5					